

S  
363,128  
Hapex  
1984

Montana State Library

3 0864 1006 6842 8

# PLEASE RETURN

DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES



TED SCHWINDEN, GOVERNOR

COGSWELL BUILDING

STATE OF MONTANA

HELENA, MONTANA 59620

October 4, 1984

Re: Preliminary Environmental Review  
Ron Wolfe Class III Landfill

Board of County Commissioners, Carbon Co. Courthouse, Red Lodge  
Bill King, Co. Sanitarian, P. O. Box 460, Courthouse Annex, Red Lodge  
Ron Kotar, Mayor, City of Red Lodge, P. O. Box 507, Red Lodge  
Ron Wolfe, P. O. Box 99, Red Lodge, MT  
Montana Dept. of Highways, 2701 Prospect Avenue, Helena  
Nancy Schara, Carbon County News, P.O. Box 970, Red Lodge  
Environmental Quality Council, Capitol Bldg., Room 432, Helena  
Tom Ellerhoff, Environmental Sciences Div., DHES, Helena  
~~Harold Chambers~~, State Library, Capitol Complex, Helena

Ladies and Gentlemen:

Pursuant to the Administrative Rules of Montana, 16.2.604,  
the following Preliminary Environmental Review has been prepared by the  
Department of Health and Environmental Sciences concerning the Ronald A.  
Wolfe Class III Landfill.

The purpose of the Preliminary Environmental Review is to inform  
all interested governmental agencies, public groups or individuals of  
the proposed action and to determine whether or not the action may have  
a significant effect on the human environment. This Preliminary  
Environmental Review will be circulated for a period of fifteen (15)  
days at which time a decision will be made as to our future action.

If you care to comment on this proposed action, please do so within  
the allotted time.

Sincerely,

STATE DOCUMENTS COLLECTION

OCT 12 1984

MONTANA STATE LIBRARY  
1515 E. 6TH AVE.  
HELENA, MONTANA 59620

JOHN C. GEACH  
Solid Waste Management Bureau  
Environmental Sciences Division

JCG:vc  
Encls.



DEPARTMENT OF HEALTH AND ENVIRONMENTAL SCIENCES  
Cogswell Building, Helena, Montana 59601  
(406) 444-2821

PRELIMINARY ENVIRONMENTAL REVIEW

Division/Bureau Environmental Sciences Division/Solid Waste Management Bureau

Project or Application Ronald A. Wolfe Proposed Class III Landfill

Description of Project Ron Wolfe has submitted a solid waste management system

license application to develop and operate a demolition material landfill in

Section 35, Township 45, Range 20E Carbon County (See attached map). This

landfill would be open 2 half days per week and would accept Group III

(wood wastes, concrete, white goods, tires and inert) wastes. This landfill

would be privately operated for the Red Lodge area.

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Terrestrial & aquatic life and habitats				X		
2. Water quality, quantity and distribution			X			X
3. Geology & soil quality, stability and moisture			X			X
4. Vegetation cover, quantity and quality			X			X
5. Aesthetics			X			X
6. Air quality			X			X
7. Unique, endangered, fragile, or limited environmental resources				X		
8. Demands on environmental resources of land, water, air & energy			X			X
9. Historical and archaeological sites				X		

POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

	Major	Moderate	Minor	None	Unknown	Comments on Attached Pages
1. Social structures and mores				X		
2. Cultural uniqueness and diversity				X		
3. Local and state tax base & tax revenue				X		
4. Agricultural or industrial production				X		
5. Human health				X		
6. Quantity and distribution of community and personal income				X		X
7. Access to and quality of recreational and wilderness activities				X		
8. Quantity and distribution of employment				X		X
9. Distribution and density of population and housing				X		
10. Demands for government services				X		X
11. Industrial & commercial activity				X		X
12. Demands for energy				X		X
13. Locally adopted environmental plans & goals				X		
14. Transportation networks & traffic flows			X			X

Other groups or agencies contacted or which may have overlapping jurisdiction Carbon County Planning Board, Carbon County

Health Department

Individuals or groups contributing to this PER.

Recommendation concerning preparation of EIS No EIS Necessary

PER Prepared by: John C. Geach

Date: October 5, 1984

October 4, 1984

POTENTIAL IMPACT ON PHYSICAL ENVIRONMENT

2. Water Quality, quantity and distribution

The location of this proposed landfill contains soil with a high gravel content. These soils while permeable meet the minimum requirements for Class III licensing. The soils in this area are approximately 25 to 30 feet thick, underlain by a less permeable layer of shale and claystone. The depth, tilt and uniformity of the shale and claystone layer are not known, however, the on-site soil borings indicate it is relatively flat and appears to be continuous beneath the site.

Three cased monitoring wells within the site indicate a shallow perched water table exists at approximately thirty feet below the surface. Sufficient separation will exist between the groundwater and the bottom of the landfill trenches to provide adequate safeguards according to the Montana Refuse Disposal Rules. In addition the basically inert nature of Group III materials should prohibit significant leaching problems from the buried materials.

3. Geology and soil quality, stability and moisture

Normal landfill operations modify the soils moisture of stability characteristics within the filled areas. Some minor settling may occur over completed trench areas. However, with proper grading and redressing of these areas, no serious or long term setting problems should result.

5. Aesthetics

The applicant proposes to use trenches left from gravel excavation for landfilling of Group III materials. The majority of these materials should therefore be deposited beneath the ground surface posing little if any aesthetic impact. The site will be fenced in accordance with the requirements of the local planning board to control the blowing of light materials such as tin and other small metal pieces.

6. Air quality

Licensed landfills can obtain state air quality burning permits to burn clean, untreated wood wastes. Emissions from the periodic burning of these materials during period of good ventilation, should have minor impacts on the area's air quality.

8. Demands on environmental resources of land, water, air and energy

The development of this proposed project will place a long term limitation on the future use of this property. Completed landfills can be immediately used for agricultural or recreation purposes with slight limitations. However, uses which require building construction or the installation of individual water and sewer systems would be severely limited.

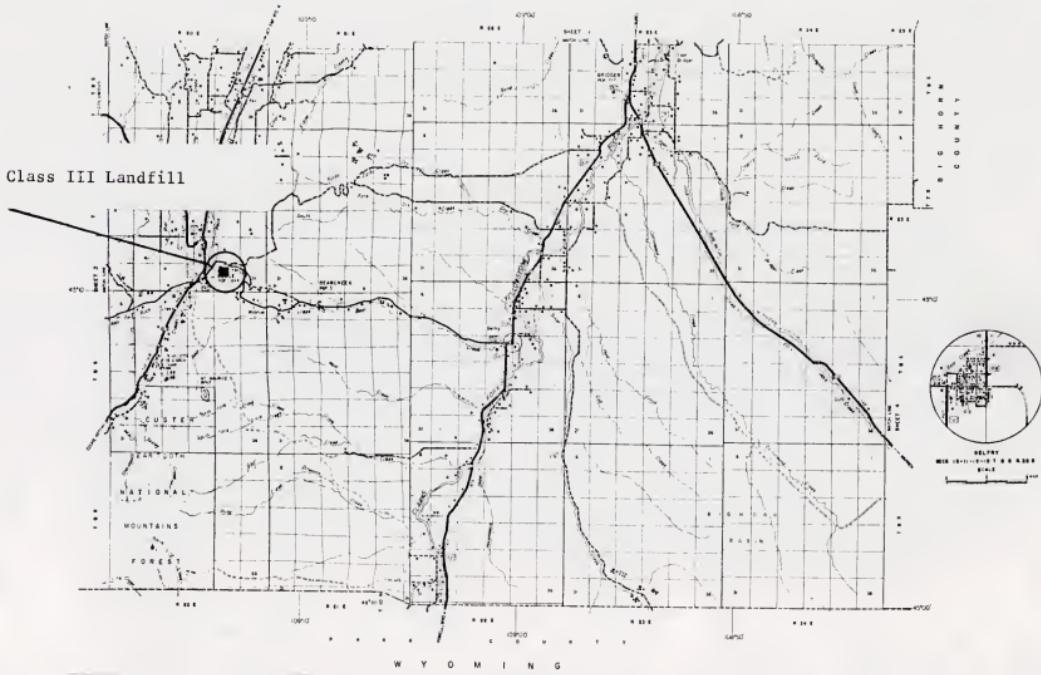


POTENTIAL IMPACTS ON HUMAN ENVIRONMENT

6. Quantity and distribution of community and personal income.  
The development of this proposed project will provide at least one part time job for landfill supervision and maintenance.
8. Quantity and distribution of employment  
See #6 Above; Air quality
10. Demands for government services  
Governmental services will be required on the local and state level for inspectional and administrative services associated with the issuance of a solid waste management system license to this landfill.
11. Industrial and commercial activity  
See #8 above; Demands on environmental resources of land, water, air and energy.
12. Demands for energy  
Gasoline, diesel fuel and other petroleum products will be consumed in refuse transportation to the landfill and in the operation of the equipment needed at the site to properly handle and dispose of the area's refuse.
14. Transportation networks and traffic flows  
The traffic flow on Highway 308 will be increased by the movement of commercial and private trucks and cars traveling to this landfill. Associated with this traffic increase will be an increase in road wear and a demand for additional road maintenance and repair.



### Ron Wolfe Class III Landfill



GENERAL HIGHWAY MAP  
**CARBON COUNTY**  
MONTANA

